

Environmental Biology
Final Exam Review Sheet

- 27 Multiple Choice Questions
- 18 Completion Questions
- 4 Essays

Chapter 17

1. _____ Result from the decay of tiny marine organisms that accumulated on the ocean floor millions of years ago
2. _____ What the energy in fossil fuels is often converted into
3. _____ Major source of pollution when coal is burned
4. _____ Which releases more radioactivity: properly operating nuclear plants or coal-fired power plants?

Chapter 18

1. _____ Can generate electricity where deposits of water are heated inside Earth
2. _____ Energy from sources that are constantly being formed
3. _____ Major sources of biomass fuel in developing countries
4. _____ Fastest growing source of energy in the world
5. _____ Electricity generated from moving water
6. _____ By-product of bacteria decomposing organic waste which can be burned to generate electricity
7. _____ One disadvantage of wind energy
8. _____ Uses energy from the sun to heat a home directly
9. _____ Uses solar collectors to gather energy from the sun
10. _____ Uses a gasoline engine & an electric motor
11. _____ Carpooling & taking public transportation are examples of ways to do what?
12. _____ Which one uses less energy: washing clothes in warm water or cold water?

Chapter 19

1. _____ Make up the largest percentage of waste produced by households & businesses
2. _____ Material that can be broken down by biological processes
3. Biodegradable or not: plastic milk jug
4. Biodegradable or not: leaf in a compost pile
5. TRUE or FALSE: Recycling is an example of source reduction
6. TRUE or FALSE: Using canvas shopping bags is an example of source reduction.
7. _____ Gas in a landfill that may be captured and used to produce energy
8. _____ Is a landfill required to be a specific distance from a populated area?
9. TRUE or FALSE: Making products from recycled materials often saves energy.
10. _____ Process that reduces the amount of trash destined for landfills
11. _____ Its problems include leachate, methane gas & inadequate space
12. _____ A plastic liner in a landfill prevents this from seeping into the soil
13. _____ Formed by decomposing yard waste and fruit & vegetable trimmings that are broken down by bacteria
14. Hazardous waste or not: lead
15. Hazardous waste or not: food scraps
16. Hazardous waste or not: dead batteries
17. _____ What has happened to the percentage of waste that is recycled from 1970 to the present?
18. TRUE or FALSE: The EPA may sue companies that dump hazardous waste illegally, under the Superfund Act.
19. _____ Requires producers of hazardous wastes to document how their wastes are handled
20. _____ Disposing of hazardous wastes by pumping them into the ground below groundwater level

Chapter 21

1. _____ An organized attempt to influence the decisions of lawmakers

2. _____ Offering low-interest loans to people who build solar homes is an example of what?
3. _____ Condition in which humans can survive indefinitely as their needs are being met
4. _____ Made by governments to enforce compliance with environmental laws
5. _____ Agency which enforces the Clean Air Act and the Clean Water Act
6. Reduce, _____, Recycle

- Factors that determine a fuel's suitability
- Process by which electricity is generated at a coal-fired power plant
- Fossil fuel-burning power plant vs. a nuclear power plant
- Advantages & disadvantages of renewable energy sources